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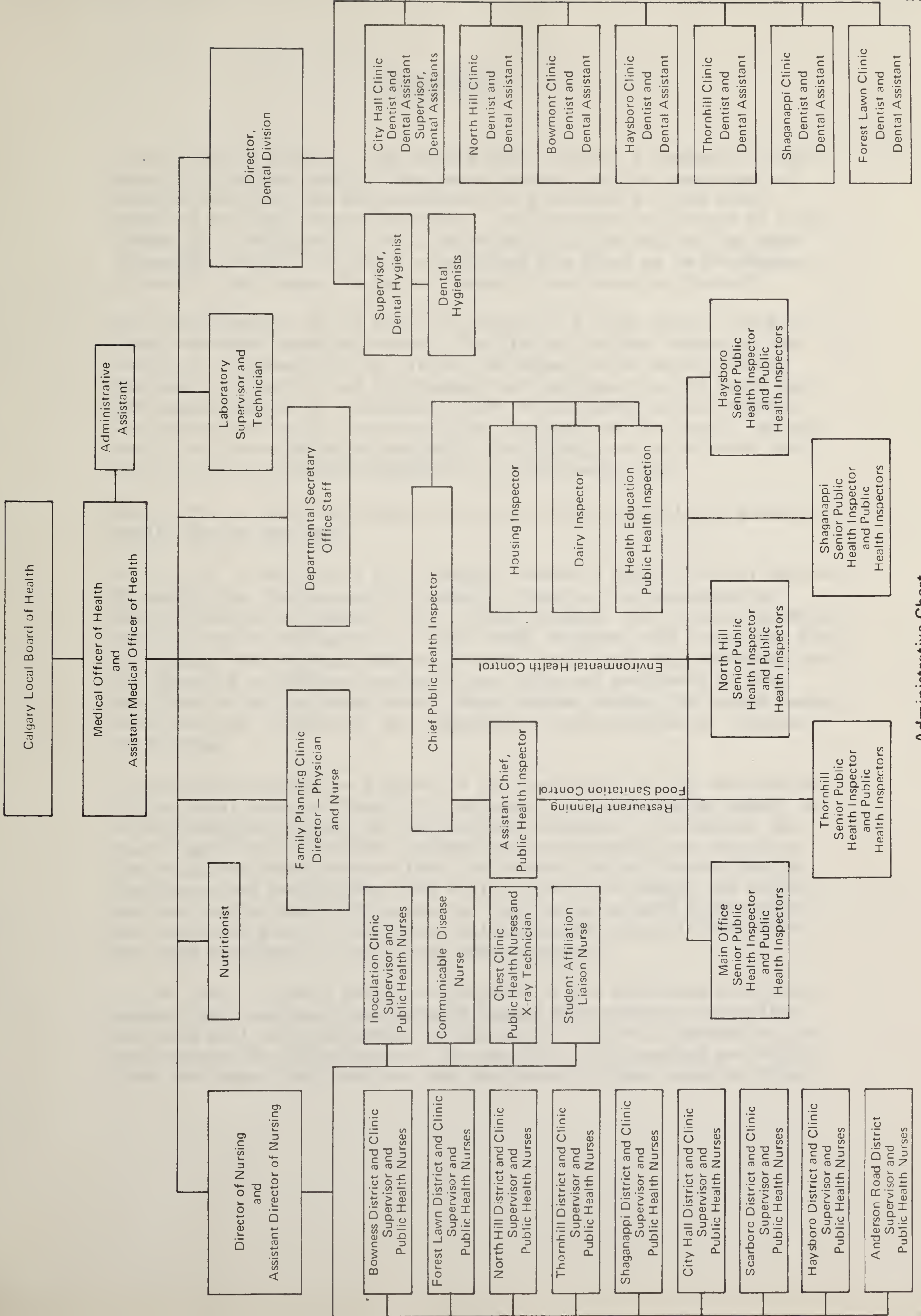
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Administrative Chart
Local Board of Health — Calgary Health District

INTRODUCTION

In last year's report it was stated that 1973 was a landmark in the history of Calgary Health Department inasmuch as the Government of Alberta took over the responsibility of providing for the total costs of the local health services. The processes initiated by this change have continued in 1974, culminating in the fall of the year in passage of Bill 72, which established The Board as an autonomous corporate body under the title "Calgary Local Board of Health".

The establishment of The Board of Health as a legal entity has required extensive negotiation with The City of Calgary regarding the transfer of former City of Calgary employees to the employment of The Board of Health, and the transfer of equipment to The Board and the establishment of a landlord/tenant relationship in the various City properties that are occupied by the staff of The Board. At the year's end these negotiations still continued, and it is hoped they will be satisfactorily completed in the following year.

There were a number of changes in senior staff of the Local Board of Health during the year.

On the 1st of May Doctor D.J. Hosking, formerly Deputy Medical Officer of Health for the Borough of Scarborough, Ontario, was appointed as Medical Officer of Health. Mrs. Eileen Whidden, The Director of Nursing, retired on February 1st, 1974. Mrs. Whidden, who joined the City of Calgary Health Department on October 15th, 1946, was appointed Acting Director of Nursing September 1st, 1954 and confirmed in that position in the following year. Miss Frances Moore, the former Assistant Director of Nursing, was appointed to the position of Director of Nursing.

Statistical information related to the demography of the area served by the Local Board of Health is contained in the following pages, as is information relating to the programs conducted. Throughout the year a good deal of effort has gone into maintaining and expanding the excellent relationships that the former City of Calgary Health Department had established with a wide variety of Health and Social Services within the City boundaries, and we gratefully acknowledge the continued kind co-operation, collaboration and assistance which has been available to us through these contacts.

In the time of change which the programs of The Board now find themselves there has been considerable demand made upon the enthusiasm and good will of every member of the staff. It is a pleasure to express thanks to all members of the staff for the interest and enthusiasm with which they have met the challenge of these changing times.

POPULATION GROWTH - CALGARY - 1970 - 1974

<u>Year</u>	<u>Births Residents Only</u>	<u>Deaths Residents Only</u>	<u>Natural Increase Births Minus Deaths</u>
1974	7,263	2,439	4,824
1973	7,224	2,373	4,851
1972	7,183	2,278	4,905
1971	7,586	2,423	5,163
1970	8,149	2,212	5,937

OVER - ALL POPULATION INCREASE
VERSUS NATURAL INCREASE

<u>Year</u>	<u>Population Census</u>	<u>Over-All Increase</u>	<u>% Increase</u>	<u>Natural Increase Residents</u>	<u>+ Previous - Year</u>
1974	433,389	8,602	2.0	4,824	- 27
1973	424,787	12,010	2.9	4,851	- 54
1972	412,777	14,743	3.7	4,905	-258
1971	398,034	12,598	3.3	5,163	-774
1970	385,436	16,411	4.4	5,937	+595

MARRIAGES AND MARRIAGE RATES - 1970 - 1974

<u>Year</u>	<u>No. of Marriages</u>	<u>Rate per 1,000 Population</u>
1974	4,716	11.0
1973	4,460	10.5
1972	4,270	10.3
1971	4,178	10.5
1970	3,995	10.4

LIVE BIRTHS BY AGE OF MOTHER AND BIRTH ORDER (INCLUDING ILLEGITIMATE BIRTHS) - NON-RESIDENTS ONLY - 1974

AGE OF MOTHER	B I R T H O R D E R													TOTALS	INFANTS BORN WITH DEFORMITIES APPAR- ENT AT BIRTH	SETS OF TWINS	SETS OF TRIPLETS
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	12th	14th					
Under 15 years	4													4			
15 - 19 years	125	13	4											142	2	*2	
20 - 24 years	142	121	31	7		1								302	5	3	
25 - 29 years	82	107	60	23	4	3								279		6	
30 - 34 years	22	26	22	11	7	3	4		1	1				97	1	2	
35 - 39 years	3	8	7	7	2	2	2		1			1		33			
40 years & Over	1	3	1			1	1		1			2		10	1		
1974 TOTALS	379	278	125	48	13	10	7		3	1		3		867	9	13	
1973 (FOR COMPARISON)	307	243	120	47	22	8	10	4	2	1				764	8	7	

* These two sets of twins were born to unwed mothers.

AGE OF MOTHER	B I R T H O R D E R											TOTALS	INFANTS BORN WITH DEFORMITIES APPARENT AT BIRTH	SETS OF TWINS	SETS OF TRIPLETS
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th & Up				
Under 15 years	1											1			
15 - 19 years	666	129	7									802	12	3	
20 - 24 years	1,295	896	228	36	13							2,468	26	17	
25 - 29 years	920	1,209	443	118	37	12		1				2,740	28	20	
30 - 34 years	192	372	239	119	43	13	4	2				984	13	4	1
35 - 39 years	35	59	56	38	21	11	6	1	1	1		230	5		
40 Years & over	2	8	9	5	6	3	3		1		1	38			
TOTALS 1974	3,111	2,673	982	316	120	39	13	4	2	1	2	7,263	84	44	1
1973 (FOR COMPARISON)	3,140	2,566	980	338	125	41	17	10	4	1	*2	7,224	73	71	-

* 12th and 14th child in 1973

ILLEGITIMATE LIVE BIRTHS BY AGE OF MOTHER AND BIRTH ORDER - CALGARY - 1974

AGE OF MOTHERS	ORDER OF BIRTH												Total Residents	Total Non-Residents	Total No. of Infants Born to Unwed Mothers	Residents	Non-Residents	No. of Mothers Previously Married	
	1st		2nd		3rd		4th		5th		6th +								
	Residents	Non-Residents	Residents	Non-Residents	Residents	Non-Residents	Residents	Non-Residents	Residents	Non-Residents	Residents	Non-Residents							
13 Years																			
14 Years		4													4				
15 Years	22	2												22	2	24			
16 Years	48	11												48	11	59			
17 Years	76	28	5											81	28	109	1		
18 Years	85	27	10	1										95	28	123			
19 Years	63	21	12	3		1								75	25	100	8		
20-24 Years	132	23	62	8	25	3	5	3	3					227	37	264	37	2	
25-29 Years	31	8	22	2	15	5	7	5	7	1	3			85	21	106	35	4	
30-34 Years	8	2	5	2	5	1	3		5		2	4		28	9	37	18	1	
35-39 Years	4		4		2				1		5	1		16	1	17	9		
40 Years +			1		1				2		1	1		5	1	6	5		
1974 TOTALS	469	126	121	16	48	10	15	8	18	1	11	6		682	167	849	113	7	
1973 (FOR COMPARISON)	420	99	60	15	40	9	22	5	12	4	16	8		625	140	765	97	4	

THE CHIEF CAUSES OF DEATH ARE:-

1.	Diseases of the heart and circulatory system (Code No. A 79 - A 86) accounted for 825 deaths. Vascular lesions affecting the central nervous system (Code No. A 70) accounted for 281 deaths.	825 + 281	= 1,106
2.	Neoplasms of all forms (Code No. A 44 to A 60)		= 662
3.	Violent and accidental deaths (Code No. AE 138 to AE 149)		= 356
4.	Diseases of the respiratory system (Code No. A 87 to A 97) i.e., Influenza, Pneumonia, Bronchitis, Emphysema, Bronchiectasis, etc.		= 253
5.	Diseases of the digestive system (Code No. A 99 to A 107) i.e., Peptic Ulcers, Hernia, Appendicitis, Cirrhosis of Liver, Cholecystitis, etc.		= 175
6.	Certain diseases of early infancy, including birth injuries, infection and prematurity (Code No. A 130 to A 135)		= 61
7.	Congenital malformations - deaths in all age groups (Code No. A 127 to A 129)		= 51
8.	Diabetes Mellitus (Code No. A 63)		= 30
9.	Diseases of the genito-urinary system (Code No. A 108 to A 114) i.e., Nephritis, Pyelitis, Renal Calculi, Prostatic Hypertrophy, etc.		= 50

DEATHS FROM INFECTIVE DISEASES:-

1.	Tuberculosis, Pulmonary, including deaths of Calgary residents in Sanatorium that were registered in Calgary (Code No. A 1)	=	3
2.	Infectious Hepatitis (all non-residents) (Code No. A 34)	=	3
3.	Septicaemia and Pyaemia (one non-resident) (Code No. A 20)	=	3
4.	Meningococcal Infection (Code No. A 23)	=	1
5.	Acute Viral Infection (Code No. A 43)	=	4
6.	Acute Infectious Encephalitis (Code No. A 29)	=	1
7.	Herpes Simplex Encephalitis (Code No. A 43)	=	1
8.	Sarcoidosis (Code No. A 43)	=	1
9.	Syphilis (Code No. A 10)	=	1

V I T A L S T A T I S T I C S

LIVE BIRTHS - 1970 - 1974

Out of 8,130 live-born babies born in Calgary in 1974, 656 were premature (the weight recorded as 5½ pounds and less) - - this represents 8.1% of all births

Year	Population	Births Incl. Non-Residents	Rate per 1,000 Population	Births Residents Only	Rate per 1,000 Population
1974	433,389	8,130	18.8	7,263	16.8
1973	424,787	7,988	18.8	7,224	17.0
1972	412,777	7,967	19.3	7,183	17.4
1971	398,034	8,408	21.1	7,586	19.0
1970	385,436	9,136	23.7	8,149	21.1

STILLBIRTHS - 1970 - 1974

Year	No. of Stillbirths Incl. Non-Residents	Rate per 1,000 Live Births Gross	Stillbirths Residents Only	Rate per 1,000 Live Births net
1974	63	7.7	53	7.3
1973	67	8.4	59	8.2
1972	68	8.5	63	8.8
1971	89	10.6	77	10.1
1970	112	12.2	101	12.4

MARRIAGES - 1974

Number of marriages performed in the City of Calgary in 1974 was 4,716. This represents a rate of 11.0 per 1,000 population.

DEATHS AND MORTALITY RATES - 1970 - 1974

Year	No. of Deaths Incl. Non-Residents	Rate per 1,000 Population	No. of Deaths Residents Only	Rate per 1,000 Population
1974	2,927	6.8	2,439	5.6
1973	2,762	6.5	2,373	5.6
1972	2,626	6.4	2,278	5.5
1971	2,810	7.0	2,423	6.1
1970	2,591	6.7	2,212	5.7

INFANT DEATHS AND MORTALITY RATES - 1970 - 1974

Deaths Within First Year of Life	1974		1973		1972		1971		1970	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net
Number of Infant Deaths	128	91	115	86	139	105	178	142	159	132
Rate per 1,000 Live Births	15.8	12.5	14.4	11.9	17.4	14.6	19.5	17.4	19.0	17.8

Gross - Includes Non-Residents; Net - Residents Only

CAUSES OF INFANT DEATHS - 1970 - 1974

CAUSE OF INFANT DEATH	1974	1973	1972	1971	1970
Immaturity and ill-defined diseases of early infancy (Code No. A 135)	25	38	68	85	83
Congenital malformations (A 127 to A 129)	35	37	32	33	39
Acute respiratory infections including Pneumonia and Bronchitis (A 132, A 87 to A 97)	2	10	9	13	21
*Accidental Causes (AE138 to AE147)	1	9	5	5	9
Injuries at birth (A 130)	10	9	-	2	5
Haemolytic Disease of the Newborn (A133)	1	3	-	1	4
Postnatal Asphyxia and Atelectasis (A131)	3	2	5	5	5
Non-Meningococcal Meningitis (A71)	-	2	4	4	2
Gastro-Intestinal Disorders (A101 to A107)	5	1	-	1	1
Infectious Hepatitis (A34)	-	1	-	-	-
Measles (A 32)	1	-	-	-	-
Meningococcal Infection (A23)	-	-	1	-	1
Septicaemia (A20)	-	-	-	-	1
Malignant Neoplasm (A44 to A59)	1	-	-	-	3
All other and unknown causes	44	3	15	14	4
	128	115	139	164	178

MATERNAL MORTALITY (INCLUDING NON-RESIDENTS) - 1970 - 1974

Year	Live Births	Number of Maternal Deaths		Rate per 1,000 Live Births
		Resident	Non-Resident	
1974	8,130	1	-	0.12
1973	7,988	-	-	-
1972	7,967	1	-	0.13
1971	8,408	1	-	0.12
1970	9,136	-	1	0.11

CAUSES OF MATERNAL DEATHS - 1973 - 1974

	Number Including Non-Residents			Residents Only		
	1974	:	1973	1974	:	1973
		:			:	
Sepsis of pregnancy & the puerperium	-	:	-	-	:	-
Toxaemias of pregnancy & the puerperium	-	:	-	-	:	-
Accidents of pregnancy & childbirth	-	:	-	-	:	-
Abortions -- Septic & Non-Septic	-	:	-	-	:	-
Other complications of pregnancy, Childbirth & the puerperium	1	:	-	-	:	-

REPORTED CASES AND DEATHS FROM TUBERCULOSIS - CALGARY RESIDENTS - 1970 - 1974

Year	New Active Cases	Number Died In Calgary	Number Died In Sanatoria Outside Calgary	Total Deaths	Death Rate Per 100,000 Population
1974	41	1	2	3	0.7
1973	34	1	2	3	0.7
1972	38	1	1	2	0.5
1971	33	-	4	4	1.0
1970	57	2	2	4	1.0

REPORTED CASES AND DEATHS FROM CHICKENPOX, DIPHTHERIA, INFECTIOUS HEPATITIS, MEASLES, MENINGOCOCCAL MENINGITIS, PERTUSSIS, SALMONELLA INFECTION, ETC. - RESIDENTS ONLY - 1972 - 1974

COMMUNICABLE DISEASE	C A S E S			D E A T H S			Mortality Rate Per 100,000 Population		
	1972	1973	1974	1972	1973	1974	1972	1973	1974
Chickenpox	1,507	1,682	1,468	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-
Infectious Hepatitis	410	401	212	1	2	3	0.2	0.5	0.7
Measles	34	75	1,853	-	-	1	-	-	0.2
Meningococcal Meningitis	4	4	5	2	1	1	0.5	0.2	0.2
Pertussis	35	10	20	1	-	-	0.2	-	-
Rubella (Death of a Newborn)	186	94	359	-	-	-	-	-	-
Salmonella Infection	121	179	67	-	-	-	-	-	-
Syphilis	41	36	36	1	1	1	0.2	0.2	0.2

CAUSES OF DEATH BY AGE AND SEX (NON-RESIDENTS INCLUDED) - 1974

ABBREVIATED LIST OF 15 CAUSES OF DEATH

	M a l e	F e m a l e	Under 1 year	1 - 4 yrs.	5 - 14 yrs.	15 - 24 yrs.	25 - 44 yrs.	45 - 64 yrs.	65 yrs. & up	TOTALS
1. Infective & parasitis diseases	14	4	4	1	2		2	3	6	18
2. Neoplasms - All forms	352	310	1	4	10	7	40	218	382	662
3. Allergic, endocrine system, metabolic & nutritional diseases, diseases of the blood forming organs	28	31		1	1	4	2	24	27	59
4. Mental, psychoneurotic & personality disorders (Alcoholism)	20	10					9	14	5	30
5. Diseases of the nervous system & sense organs (including Apoplexy)	161	154		1		4	11	63	236	315
6. Diseases of the circulatory system	511	314				3	25	181	616	825
7. Diseases of the respiratory system	170	83		5	1		6	31	210	253
8. Diseases of the digestive system	115	60	5	1	3	2	20	55	89	175
9. Diseases of the genito-urinary system	37	13			1		8	8	33	50
10. Deliveries & complications of pregnancies, childbirth & puerperium		1					1			1
11. Diseases of the skin & cellular tissue, diseases of the bones & organs of movement	8	11				1	1	5	12	19
12. Congenital malformations	33	18	35	3	4	3	3	3		51
13. Certain diseases of early infancy (including prematurity & birth injuries)	35	26	61							61
14. Symptoms, senility, ill-defined & unknown causes of mortality	33	19	20	2		2	4	7	17	52
15. Accidents, poisonings & violence	240	115	2	12	18	89	87	64	83	355

CAUSES OF DEATHS - 1974

Intermediate List of 150 Causes of Death

List No.	Causes of Death	Sex	TOTAL	Residents	Non-Residents	AGE AT DEATH						
						Under 1 yr.	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
A 1	Tuberculosis of respiratory system	M F	3	3					1			2
A 10	All Other Syphilis	M F	1	1								1
A 16	Dysentery, all forms	M F	1		1	1						
A 20	Septicaemia & Pyaemia	M F	3	2	1						1	2
A 23	Meningococcal Infections	M F	1	1							1	
A 29	Acute Infectious Encephalitis	M F	1		1						1	
A 32	Measles	M F	1		1	1						
A 34	Infectious Hepatitis	M F	1 2		1 2			1			1	1
A 43	All other diseases classified as Infective & Parasitic	M F	3 1	2 1	1	1 1	1			1		
A 44	Malignant neoplasm of buccal cavity	M F	9 5	8 5	1						7 2	2 3
A 45	Malignant neoplasm of esophagus	M F	9 5	7 5	2						4 3	5 2
A 46	Malignant neoplasm of stomach	M F	24 18	22 14	2 4					2 1	5 1	17 16
	Carried Forward		88	71	17	4	1	1	1	5	25	51

List No.	Causes of Death	Sex	TOTAL	Residents	Non-Residents	AGE AT DEATH						
						Under 1 yr.	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		88	71	17	4	1	1	1	5	25	51
A 47	Malignant neoplasm of intestine, except rectum	M	42	38	4					3	9	30
		F	34	32	2					1	8	25
A 48	Malignant neoplasm of rectum	M	6	6							1	5
		F	6	6								6
A 49	Malignant neoplasm of larynx	M	4	3	1						3	1
		F										
A 50	Malignant neoplasm of trachea, bronchus & lung, not specified as secondary	M	92	69	23					2	33	57
		F	26	20	6			1		2	14	9
A 51	Malignant neoplasm of breast	M	1	1							1	
		F	82	69	13					9	39	34
A 52	Malignant neoplasm of cervix uteri	M										
		F	12	9	3					1	5	6
A 53	Malignant neoplasm of other & unspecified parts of uterus	M										
		F	2	2							2	
A 54	Malignant neoplasm of prostate	M	49	37	12						6	43
		F										
A 55	Malignant neoplasm of skin	M	1	1						1		
		F	1	1							1	
A 56	Malignant neoplasm of bone & connective tissue	M	1	1								1
		F	3	3					1		1	1
A 57	Malignant neoplasm of all other & unspecified sites	M	80	64	16			1	2	4	27	46
		F	80	66	14		2	1	1	8	25	43
	Carried Forward		610	499	111	4	3	4	5	36	200	358

List No.	Causes of Death	Sex	TOTAL	Residents	Non-Residents	AGE AT DEATH						
						Under 1 yr.	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		610	499	111	4	3	4	5	36	200	358
A 58	Leukaemia & Aleukaemia	M	19	14	5	1	1	4	3	1	4	9
		F	16	12	4		1	2			3	6
A 59	Lymphosarcoma & other neoplasms of lymphatic & haematopoietic system	M	13	12	1			1		2	4	7
		F	18	13	5					3	6	8
A 60	Benign neoplasms & neoplasms of unspecified nature	M	2	2	1						2	
		F	2	1							2	
A 62	Thyrotoxicosis with or without goiter	M	1		1							1
A 63	Diabetes Mellitus	M	8	7	1		1				3	5
		F	22	19	3						10	11
A 65	Anaemias	M	6	4	2					1	1	4
		F	2	1	1						1	1
A 66	Allergic disorders; all other endocrine, metabolic & blood diseases	M	13	13	1			1	3	1	7	2
		F	7	6					1		2	3
A 67	Psychoses	M	1	1	1							1
		F	1									1
A 68	Psychoneuroses & disorders of personality (alcoholism)	M	19	15	4					6	8	5
		F	9	6	3					3	6	
A 70	Vascular lesions affecting central nervous system	M	140	119	21					2	29	109
		F	141	127	14					4	22	115
A 71	Non-Meningococcal Meningitis	M	2	2			1			1		1
		F	2	2						1		
	Carried Forward		1054	875	179	5	7	12	12	61	310	647

List No.	Causes of Death	Sex	TOTAL	Residents	Non-Residents	AGE AT DEATH						
						Under 1 yr.	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		1054	875	179	5	7	12	12	61	310	647
A 72	Multiple Sclerosis	M F	6 2	6 2							6 1	1
A 73	Epilepsy	M F	1 5	1 5					1 2	1	2	
A 78	All other diseases of the nervous system	M F	12 4	11 4	1				1	2	3	6 4
A 80	Chronic Rheumatic Heart Disease	M F	7 29	5 27	2 2					2	5 17	2 10
A 81	Arteriosclerotic & Degenerative Heart Disease	M F	385 190	332 174	53 16					18 2	109 20	258 168
A 82	Other diseases of heart	M F	20 22	17 19	3 3					1	1 1	19 20
A 83	Hypertension with Heart Disease	M F	22 19	21 16	1 3						9 3	13 16
A 84	Hypertension without mention of heart	M F	5 3	5 2	1							5 3
A 85	Disease of arteries	M F	57 38	47 34	10 4				2 1	1 1	7 3	47 33
A 86	Other diseases of circulatory system	M F	15 13	12 12	3 1						4 2	11 11
A 87	Acute respiratory infections	M F	1 1	1 1				1				1
A 88	Influenza	M F	1 2	1 2							1	1 1
	Carried Forward		1914	1632	282	5	7	13	19	89	504	1277

List No.	Causes of Death	Sex	TOTAL	Residents	Non-Residents	AGE AT DEATH						
						Under 1 yr.	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		1914	1632	282	5	7	13	19	89	504	1277
A 89	Lobar Pneumonia	M	2	2								2
		F	1	1			1					
A 90	Bronchopneumonia	M	39	36	3		1			1	4	33
		F	38	34	4		1			1	1	35
A 91	Primary atypical, other & unspecified pneumonia	M	46	40	6							46
		F	19	16	3							19
A 92	Acute Bronchitis	M	6	6			2					4
		F	1	1								1
A 93	Bronchitis, chronic & unqualified	M	17	15	2						5	12
		F	4	4						1		3
A 95	Empyema & abscess of lung	M	1		1							1
		F	1	1							1	
A 97	All other respiratory diseases	M	57	47	10					2	16	39
		F	16	15	1					1	3	12
A 99	Ulcer of stomach	M	4	4								4
		F	5	4	1						1	4
A 100	Ulcer of duodenum	M	10	9	1						3	7
		F	1	1								1
A 102	Appendicitis	M	3	3							1	2
		F	1		1			1				
A 103	Intestinal obstruction & hernia	M	20	14	6	1		1	1		3	14
		F	14	11	3						1	13
	Carried Forward		2220	1896	324	6	12	15	20	95	543	1529

List No.	Causes of Death	Sex	TOTAL	Residents	Non-Residents	AGE AT DEATH						
						Under 1 yr	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		2220	1896	324	6	12	15	20	95	543	1529
A 104	Gastro-Enteritis & Colitis	M	12	10	2	4			1	1	2	4
		F	11	9	2		1				2	8
A 105	Cirrhosis of liver	M	46	42	4					9	28	9
		F	19	16	3			1		5	9	4
A 106	Cholelithiasis & Cholecystitis	M	10	8	2					1	2	7
		F	6	6								6
A 107	Other diseases of digestive system	M	10	7	3					4	2	4
		F	3		3						1	2
A 109	Chronic, other & unspecified Nephritis	M	16	14	2					3	5	8
		F	10	8	2			1		2	3	4
A 110	Infections of kidney	M	6	5	1					2		4
		F	1	1								1
A 111	Calculi of urinary system	M	1	1								1
		F										
A 112	Hyperplasia of prostate	M	9	8	1							9
		F										
A 114	Other diseases of genito-urinary system	M	5	4	1							5
		F	2	1	1					1		1
A 120	Other complications of pregnancy, childbirth and the puerperium. Delivery without mention of complication	M										
		F	1	1					1			
	Carried Forward		2388	2037	351	10	13	17	22	123	597	1606

List No.	Causes of Death	Sex	TOTALS	Residents	Non-Residents	AGE AT DEATH						
						Under 1 yr.	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		2388	2037	351	10	13	17	22	123	597	1606
A 121	Infections of skin & subcutaneous tissue	M F	1	1								1
A 122	Arthritis & Spondylitis	M F	4 7	3 5	1 2						1 3	3 4
A 123	Muscular Rheumatism & Rheumatism unspecified	M F	2	2							1	1
A 124	Osteomyelitis & periostitis	M F	1	1								1
A 126	All other diseases of skin & musculoskeletal system	M F	1 3		1				1	1		2
A 127	Spina bifida & meningocele	M F	3	2	1	3						
A 128	Congenital malformations of circulatory system	M F	12 6	7 3	5 3	10 5		2		1		
A 129	All other congenital malformations	M F	18 12	14 11	4 1	10 7	2 1	1 1	3	1 1	1 2	
A 130	Birth injuries	M F	4 6	2 6	2	4 6						
A 131	Postnatal asphyxia & atelectasis	M F	3	2	1	3						
A 132	Infections of the newborn	M F	2	2		2						
	Carried Forward		2473	2101	372	60	16	21	26	127	605	1618

List No.	Causes of Death	Sex	TOTALS	Residents	Non-Residents	AGE AT DEATH						
						Under 1 yr	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		2473	2101	372	60	16	21	26	127	605	1618
A 133	Haemolytic disease of newborn	M F	1	1		1						
A 134	All other defined diseases of early infancy	M F	1	1		1						
A 135	Ill-defined diseases peculiar to early infancy & immaturity unqualified	M F	25 19	17 15	8 4	25 19						
A 136	Senility without mention of psychosis	M F	8 7	7 7	1							8 7
A 137	Ill-defined & unknown causes of mortality	M F	25 12	22 9	3 3	12 8	1 1		2	2 2	7	1 1
AE138	Motor vehicle accidents	M F	91 23	56 12	35 11		1 3	7 3	40 8	22 5	14 2	7 2
AE139	Other transport accidents	M F	9 1	4	5 1				4	4 1	1	
AE140	Accidental poisoning	M F	12 10	10 9	2 1			2	1 1	4 1	4 8	1
AE141	Accidental falls	M F	42 37	30 30	12 7		1		1 1	6 2	6 1	28 32
AE142	Accidents caused by machinery	M F	2	1	1				1		1	
	Carried Forward		2798	2332	466	126	23	34	85	176	649	1705

List No.	Causes of Death	Sex	TOTALS	Residents	Non-Residents	AGE AT DEATH						
						Under 1 yr.	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		2798	2332	466	126	23	34	85	176	649	1705
AE143	Accidents caused by fire & explosion of combustible material	M F	6 7	3 7	3		1 2		1 1		1 1	3 3
AE144	Accidents caused by hot substances, corrosive liquid steam & radiation	M F	1		1		1					
AE145	Accidents caused by firearms	M F	1	1		1						
AE146	Accidental drowning & submersion	M F	4 2	3 1	1 1		1		1	2	1 1	
AE147	All other accidental causes	M F	9 1	7 1	2			2	2 1	3		2
AE148	Suicide & self-inflicted injury	M F	56 29	45 28	11 1			3	19 3	20 12	12 11	2 3
AE149	Homicide & injury purposely inflicted by other persons	M F	9 4	7 4	2	1	2		4	4 1	1	
	TOTALS		2927	2439	488	128	30	39	117	218	677	1718

DEATHS FROM ACCIDENTAL POISONING IN CALGARY - 1974

	1 - 4 Years		5 -14 Years		15-24 Years		25-44 Years		45-64 Years		65 years & over		TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F	
1. Overdose of Drugs & Medicine for Internal & External Use									1	4			5
2. Overdose of Drugs with Alcohol Intoxication									1	1			2
3. Carbon Monoxide Fumes from Faulty Swimming Pool Heater							*	*					2
							1	1					
4. Car Exhaust Fumes							1		1				2
5. Inhilation of Pam in plastic bag					1								1
TOTAL					1		2	1	3	5			12

*Non-Residents

SELF-INFLICTED DEATHS (SUICIDES) IN CALGARY - 1974

	12-14 Years		15-24 Years		25-44 Years		45-64 Years		65 years & over		TOTAL
	M	F	M	F	M	F	M	F	M	F	
1. Gunshot Wounds	1		*9		*6	3	4		*1		24
2. Car Exhaust Fumes(Carbon Monoxide)			5	1	*4	1	4	4		1	20
3. Overdose of drugs			2	2	2	7		4		2	19
4. Hanging & Strangulation	2				*2	*1		2	1		8
5. Poisoning by Household Chemicals						1					1
6. Jumping From Building					*3	1	1				5
7. Drowning						1	1			1	3
8. Automobile crash-self-inflicted			1								1
TOTALS	3		17	3	17	15	10	10	2	4	81

*Non-Residents

REPORTED CASES AND DEATHS FROM NOTIFIABLE COMMUNICABLE DISEASES (RESIDENTS ONLY) - 1974

	Under 1 Year		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		60 Yrs. & Over		Total Cases	Deaths If Any
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
Acute Food Poisoning													1								2	
Amoebic Dysentery											1							1			2	
Aseptic Viral Meningitis			1	1	1	1	1						1								7	
Bacillary Dysentery	1		11	13	1	5		1	1		1	4	4			2	1				45	1
Brucellosis																		1			1	
Diarrhoea of Newborn	1	4																			5	
Infectious Hepatitis			2	1	8	9	9	17	17	25	25	18	18	18	7	6	10	2	2		212	3
Malaria				1	1		3				1					1					7	
Meningococcal Infection		1		1		1									1		1				5	1
Pertussis	1	1	5	6	2	4							1								20	
Q - Fever															1	1					2	
Red Measles	13	19	167	159	478	452	267	251	19	19	3		1	1	2	1		1			1,853	1
Rubella	7	6	24	27	84	88	43	44	7	8	3	8		4	3	2		1			359	
Salmonella Infection	1	4	8	6	1	3	2	1	1		2	2	3	3	7	7	3	3	4	6	67	
Scarlet Fever & Streptococcal Sore Throat	1	3	21	18	47	39	27	22	6	6	7	11	4	4	2	2		1			221	
Serum Hepatitis								1	5	3	7	4	3	3							26	
Tuberculosis, Pulmonary							2		1	1		3	3	1	2		4	4	3	1	25	2
Tuberculosis, Non-Pulmonary						1					1		1	1	1	3	1	3	2	2	16	1
TOTALS	24	39	239	233	623	603	354	337	57	62	50	51	40	35	38	26	16	26	11	11	2,875	9

REPORTED COMMUNICABLE DISEASES BY MONTH IN 1974

D I S E A S E	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTALS
Acute Food Poisoning							2						2
Amoebic Dysentery					1		1						2
Aseptic Viral Meningitis						1	1	1		2	1	1	7
Bacillary Dysentery	2	4	4	10	1	2	4	5	5	2	2	4	45
Brucellosis							1						1
Diarrhoea of Newborn								5					5
Infectious Hepatitis	19	29	15	21	19	23	6	12	25	15	10	18	212
Malaria					3	2		2					7
Meningococcal infection				1	1		1					2	5
Pertussis			1	2	1		1	3	5	2	1	4	20
Q - Fever				2									2
Red Measles	12	17	41	60	63	300	198	88	74	87	161	752	1,853
Rubella	25	42	45	34	32	49	5	2	16	20	21	68	359
Salmonella Infection	6	2	5	3	11	6	7	4	8	4	3	8	67
Scarlet Fever & Streptococcal Sore Throat	18	29	21	13	15	13	7	4	14	23	21	43	221
Serum Hepatitis		1	5	5	3	3	-	1	5	-	1	2	26
Tuberculosis, Non-Pulmonary	1			1	2	2	1	5	2		1	1	16
Tuberculosis, Pulmonary	1	3	2	1	1	3	1	2	1	5	3	2	25
TOTALS	84	127	139	153	153	404	236	134	155	160	225	905	2,875

COMMUNICABLE DISEASES NOT NOTIFIABLE IN THE PROVINCE OF ALBERTA - REPORTED IN 1974

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTALS
Mumps	120	101	166	137	185	96	3	18	37	52	83	99	1,097
Chickenpox	256	186	122	133	126	116	15	19	33	125	157	180	1,468
TOTALS	376	287	288	270	311	212	18	37	70	177	240	279	2,565

VENEREAL DISEASE INCIDENCE - CALGARY - 1974

	1 - 4 Years		10-14 Years		15-19 Years		20-24 Years		25-29 Years		30-39 Years		40-59 Years		60 Years & Over		Age not Stated		TOTALS
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Syphilis: - Prenatal (Congenital)	1																		1
Syphilis: - Acquired Primary							1		2		1		4		1				9
Syphilis: - Acquired Secondary									2	1	3			1					7
Syphilis: - Acquired *Tertiary														1					1
Syphilis: - Acquired Latent - Early							1		1	1	1	1	1						6
Syphilis: - Acquired Latent - Late											1		2	3	2	3			11
Syphilis: - Acquired Type Undetermined											1	1	1						3
Gonorrhoea: (All form)		2		6	203	190	466	221	368	97	255	64	104	19	13	1	26	12	2,047
TOTALS	1	2		6	203	190	468	221	373	99	262	66	112	24	16	4	26	12	2,085

In the age group 5 - 9 years no venereal diseases were reported.

* The tertiary syphilis in this case was diagnosed as neurosyphilis.

CHEST CLINIC - NURSING SERVICES

Clinic Attendance 1926

Home Visits 1368

Other Calls
(To Sanatorium - Employers etc.) 34

Tuberculin Tests 2135

At Clinic 1284
Outside Clinic 851
Total reactors 322

School Tuberculin Tests 19408

Grade I - reactor rate 0.32
Grade IV - reactor rate 0.90

Tuberculosis Cases - new, active 41

Case rate per 100,000 9.5
Pulmonary 25
Non Pulmonary 16

Chemotherapy 150 (approx.)
or

Chemoprophylaxis at any given time

XRAY CLINIC - ALBERTA T.B.R.D. ASSOCIATION

# PERSONS X-RAYED	PROBABLE TB		OTHER ABNORMALITIES			
	ACTIVE	INACTIVE	PLEURISY INACTIVE	FURTHER EXAMINATION REQUESTED	NON-TB CONDITIONS	TOTAL ABNORMALITIES
13,149	2	599	132	71	83	887

	Anderson Road	Bowness	Brent- Wood	City Hall	Forest Lawn	Haysboro	North Hill	Scarboro	Shaga- nappi	Thorn- hill	TOTALS
INFANTS											
Attendance	551	2,109	421	2,173	4,998	5,223	4,672	2,421	2,832	764	26,164
New Admissions	128	452	76	538	1,231	1,327	1,190	579	610	177	6,308
On Breast	22	163	18	83	158	279	257	160	133	41	1,314
On Bottle	103	292	35	453	1,072	1,032	933	419	476	134	4,949
Denver Developmental Screening Tests	58	241	73	200	454	620	660	216	287	88	2,897
PRE-SCHOOL											
Attendance	868	3,096	533	2,909	6,087	5,926	4,727	2,841	3,891	779	31,657
New Admissions	94	413	38	233	534	774	369	170	436	84	3,145
Doctor's Examinations	-	264	-	60	11	300	20	430	432	3	1,520
Doctor's Days	-	35	-	29	8	46	10	47	47	10	232
Denver Developmental Screening Tests	61	379	75	358	522	1,161	909	346	443	110	4,364
GRAND TOTAL ATTENDANCE	1,419	5,205	954	5,082	7,085	11,149	9,399	5,262	6,723	1,543	5,821
NO. OF CLINIC DAYS	65	154	41	240	241	231	241	205	230	44	1,692
AVERAGE ATTENDANCE	21.8	33.8	23.3	21.2	29.4	48.3	39.0	25.7	29.2	35.1	31.8

Included in the figures for City Hall are clinic sessions held at Ogden Clinic and the Alberta Vocational Centre. It should also be mentioned that the figures for Brentwood Clinic are indicative only of a part year in that Brentwood Clinic was united with the North Hill Clinic in May of 1974. It is also noted that Anderson Road Clinic and Thornhill Clinic were only opened in September of 1974 thus these figures do not represent a full clinic year.

ATTENDANCE AT CHILD HEALTH CENTRES

	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>
<u>Infant Attendance</u>							
New	5,620	6,037	6,374	6,760	6,068	6,237	6,308
Old	<u>14,959</u>	<u>14,963</u>	<u>16,400</u>	<u>18,760</u>	<u>17,953</u>	<u>19,184</u>	<u>19,856</u>
Total Infant Attendance	20,579	21,000	22,774	25,520	24,021	25,421	26,164

Pre-School Attendance

New	3,297	3,285	3,183	3,339	2,759	3,036	3,145
Old	<u>23,695</u>	<u>22,892</u>	<u>24,521</u>	<u>29,523</u>	<u>26,186</u>	<u>27,161</u>	<u>28,512</u>
Total Pre-School Attendance	26,992	26,177	27,704	32,862	28,945	30,197	31,657

NEW ENROLLMENTS EXPRESSED AS PERCENTAGE OF BIRTHS MINUS DEATHS

	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>
Births	7,184	7,429	8,149	7,586	7,183	7,224	7,263
minus							
	<u>112</u>	<u>132</u>	<u>178</u>	<u>142</u>	<u>105</u>	<u>86</u>	<u>91</u>
	7,072	7,297	7,971	7,444	7,078	7,138	7,172

New Infants	5,620	6,037	6,374	6,760	6,068	6,237	6,308
plus							
New Pre-Schoolers Enrolled	<u>3,297</u>	<u>3,285</u>	<u>3,183</u>	<u>3,339</u>	<u>2,759</u>	<u>3,036</u>	<u>3,145</u>
	8,917	9,322	9,557	10,099	8,827	9,273	9,453

SUMMARY OF WORK DONE BY PHYSICIANS IN CALGARY CHILD HEALTH CENTRES - 1974

	INFANTS 0 - 1 yr.	PRE-SCHOOL 2 - 3 yrs.	PRE-SCHOOL 4 - 6 yrs.	SCHOOL AGE
No. of children examined	627	247	614	13

	<u>DOCTORS</u>	<u>DENTISTS</u>	<u>EYE EXAMINERS</u>
No. of children referred to:	73	36	28

Counselling in Minor Ailments.....672	Counselling in Nutrition.....13
Denver Developmental Screening Tests..676	Physical Examinations.....925
Minor Physical Ailments Found.....888	Major Defects Found.....172

PUBLIC HEALTH NURSING DIVISION

It is my privilege to present a few comments to accompany the statistical tables pertaining to the service provided to the families of Calgary by the Public Health Nursing Division of the Calgary Local Board of Health for the year 1974.

In February, Mrs. Eileen Whidden retired after 19 years as Director of Nursing and 28 years with the Department. We are very indebted to Mrs. Whidden's planning, foresight and her vision of Public Health Nursing.

Miss Betty Eggen joined our staff in September as Assistant Director of Nursing and is a very valuable addition to our staff. Our total Public Health Nursing staff was increased by six bringing the total to 102.

Two new Nursing Districts were established in September, Thornhill and Anderson Road. The Thornhill District Office was opened in the Thornhill Community Services Building to serve that northern part of the City. In the southern half of the Haysboro area the type of program provided in the Child Health Centres is now available by appointment on a home visit basis out of the Anderson Road Centre Office. The programs in each of these areas have been very well received by the families in the Districts.

This year evening clinics have been held in the Child Health Centres throughout the City and are proving very popular. To meet the needs of the public, several of the Child Health Centres have also increased the number of morning clinics provided.

It will be noted from the tables that attendance at the Child Health Centres increased by 2,200 over last year. There has also been an increase in the number of children seen by the Public Health Nurse in the school. Increasing involvement and co-operation with other agencies in the community is reflected in the increase in number of contacts with these agencies and in the number of meetings attended and addressed by the Public Health Nurses. Over the last year the number of occasions that the Public Health Nurses showed films and presented classroom talks has also increased.

In several of the Nursing Districts this year "group nursing" has been practiced. This is proving to be a very effective way of presenting health teaching and health promotion programs.

It is worthy of note that the percentage of positive T.B. Skin Test reactors in the Grade IX group is below that considered by the W.H.O. as indicative of a Tuberculosis Controlled area.

May I take this opportunity to thank the staff of the Nursing Division for a job well done and also to thank the staff of the Local Board of Health for their support and co-operation. On behalf of the staff, Dr. Hosking, may I thank you most sincerely for your guidance, support and counsel.

Sincerely,

Frances M. Moore
Director of Nursing

PUBLIC HEALTH NURSING SERVICES - 1974

Inspections and Tests in Schools

No. of children inspected by P.H.N.'s		31,403
No. referred to Family Physician	2,273	
No. referred to S.M.O.	50	
No. of vision tests		35,547
No. referred re: vision	4,253	
No. of color vision tests		4,481
No. found to be color blind	234	
No. of audiometer tests		12,524
No. referred re: hearing	488	
No. of dental inspections		21,874
No. requiring dental treatment	4,385	
No. of T.B. Tests		20,162
No. of positive T.B. Tests	187	
No. excluded from school re: Communicable Disease		2,765

Inspection for Pediculosis - 892

No. of First-Aid Treatments - 14,698

Home Visits Re:Sickness and Health Education - 1974

Pre-Natal.....	281	Acute Communicable Disease.....	1,195
Newborn.....	8,244	Investigations re: complaint.....	226
Other than newborn infants.....	2,332	Poison Control and safety in home....	327
Pre-school children.....	8,701	Family Planning.....	3,925
Nurseries & kindergartens.....	408	Co-op Social Welfare.....	1,953
School children.....	7,802	Family Folder.....	1,520
Adults.....	17,446		
Geriatric.....	743	First Visits to Homes.....	10,730
Handicapped.....	1,124	Repeat Visits to Homes.....	5,461
Mental Health.....	3,180		
T.B.	26	Not Home.....	5,461
T.B. contacts.....	34	Not Found.....	962

Conferences Regarding Health Problems With:-

Doctors.....	479	Students.....	22,082
Teachers.....	18,897	Supervisors.....	2,728
Parents.....	7,912	Co-op Other Agencies.....	1,953

Health Education in Classrooms

No. of Films Shown.....	1,648	No. of Classroom Talks.....	1,496
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Miscellaneous

Meetings Attended.....	5,261	Meetings Addressed.....	420
Total No. of Phone Calls.....	33,367		

SCHOOL TUBERCULOSIS TESTS - 1974GRADE I

GRADE I NO. PUPILS	TUBERCULIN TESTS ACCEPTED	% ACCEPTING TESTS	TUBERCULIN TESTS POSITIVE	% FOUND POSITIVE REACTORS
8,159	7,434	91.1	24	0.32

The group of 24 Positive Reactors includes:
 14 Immigrants with 10 BCG
 4 Others with BCG

GRADE IX

GRADE IX NO. PUPILS	TUBERCULIN TESTS ACCEPTED	% ACCEPTING TESTS	TUBERCULIN TESTS POSITIVE	% FOUND POSITIVE REACTORS
8,233	7,544	91.6	68	0.90

The group of 68 Positive Reactors includes:
 28 Immigrants with 17 BCG
 14 Others with BCG
 2 Previous Positive Reactors

STAFFCONTACTS (STAFF & STUDENTS)

	No. TESTED	No. of REACTORS	No. X-RAYED	No. TESTED	No. REACTORS	No. X-RAYED
School	4,430	89	1,338			
Administration	189	2		144	28	119
Maintenance & Library Centre	243	1				

FLUORIDE DISTRIBUTION PROGRAM

CLINIC	NEW PRESCRIPTION	REFILL PRESCRIPTION	TOTAL
Anderson Road	-	-	-
Bowness	827	465	1292
City Hall	1695	2038	3733
Forest Lawn	2880	1486	4366
Haysboro	5667	5294	10,961
North Hill	3847	3870	7717
Scarboro	1451	818	2269
Shaganappi	1887	1167	3054
Thornhill	586	-	586
TOTALS	18,840	15,138	33,978

GRADE I IMMUNIZATION STATUS - OCTOBER, 1973

DISEASE	FULL %	LAPSED %	IN- ADEQUATE %	NONE %	UN- KNOWN %	TOTAL %
Diphtheria	6097 69.7	1044 11.9	509 5.8	517 5.9	585 6.7	8752 100
Tetanus	6098 69.7	1044 11.9	509 5.8	517 5.9	584 6.7	8752 100
Polio	5422 62.0	734 8.4	1391 15.9	616 7.0	589 6.7	8752 100
Smallpox	4123 47.1	1091 12.5		2919 33.3	619 7.1	8752 100
Measles: -						
a) LIVE	6358 72.6			1309 15.0	629 7.2	8752 100
b) HAD DISEASE	456 5.2					

GRADE I IMMUNIZATION STATUS - MAY, 1974

DISEASE	FULL %	LAPSED %	IN- ADEQUATE %	NONE %	UN- KNOWN %	TOTAL %
Diphtheria	8292 94.9	123 1.4	111 1.3	85 1.0	125 1.4	8736 100
Tetanus	8292 94.9	123 1.4	111 1.3	85 1.0	125 1.4	8736 100
Polio	8211 94.0	95 1.1	199 2.3	105 1.2	126 1.4	8736 100
Smallpox	3672 42.0	1751 20.1		3121 35.7	192 2.2	8736 100
Measles: -						
a) LIVE	6653 76.2			1370 15.7	210 2.4	8736 100
b) HAD DISEASE	503 5.7					

USAGE OF MULTIPLE ANTIGENS IN 1974 IMMUNIZATIONS

(D) DOSES = Total Doses including the Completed and Reinforcing
 (C) COMPLETED = The Last Dose in a Series
 (R) REINFORCING = Booster Subsequent to a Series

	DIPHTHERIA & TETANUS			TETANUS & POLIO (BIAD)			DIPH. & PERTUSSIS + TETANUS (TRIPLE)			TRIPLE + POLIO (QUAD)		
	D	C	R	D	C	R	D	C	R	D	C	R
INFANTS	12	1	3				311	84	163	15,250	3,844	19
PRE-SCHOOL	515	21	434	1	1		10,824	341	10,304	2,732	743	98
SCHOOL	6,110	959	3,678	20	7	2	19	1	16			
ADULTS	53	15	9	149	43	14						
1974 TOTALS	6,690	996	4,124	170	51	16	11,154	426	10,438	17,982	4,587	117
1973 (FOR COMPARISON)	8,209	1,047	5,517	253	57	16	10,741	494	9,840	17,966	5,096	76

USAGE OF SINGLE ANTIGENS IN 1974 IMMUNIZATIONS

- (D) DOSES - All Doses including the Completed & Reinforcing
- (C) COMPLETED - The Last Dose in a Series
- (R) REINFORCING - Booster Dose Subsequent to a Series

(P) PRIMARY SMALLPOX VACCINATION

(REV) SMALLPOX REVACCINATION

	RED MEASLES	RUBELLA	SMALLPOX		SALK		SABIN			TETANUS		
			P	REV.	D	C	R	D	C	R	D	C
INFANTS	66		3		13	2		6,609	2,788	23		
PRE-SCHOOL	6,211		645	138	79	21	5	11,535	2,374	6,308	4	1
SCHOOLS		5,212	59	897	1,912	690	76	6,873	2,076	2,818	138	11
ADULTS		200	226	5,852	217	55	25	1,739	315	935	2,266	411
1974 TOTALS	6,277	5,412	933	6,887	2,221	768	106	26,756	7,553	10,074	2,408	423
1973 (FOR COMPARISON)	5,823	4,998	1,105	9,920	2,496	815	66	28,098	7,792	10,522	2,510	452

USAGE OF SINGLE ANTIGENS IN 1974 IMMUNIZATIONS

(D) DOSES = All Doses Including the Completed and Reinforcing

(C) COMPLETED = The Last Dose in a Series

(R) REINFORCING = Booster Dose

	TYPHOID PARATYPHOID AB			TYPHUS			TYPHOID MONOVALENT			ROCKY MOUNTAIN SPOTTED FEVER			RABIES		
	D	C	R	D	C	R	D	C	R	D	C	R	D	C	R
INFANTS	8	5		1	1		3								
PRE-SCHOOL	67	35	1	80	38	1	102	45	5						
SCHOOL	271	93	23	198	82	13	558	241	22				2		1
ADULTS	2,130	531	618	1,481	569	218	2,225	881	129	6	2	1	65	8	23
1974 TOTALS	2,476	664	642	1,760	690	232	2,888	1,167	156	6	2	1	67	8	24
1973 (FOR COMPARISON)	2,384	661	625	1,535	650	237	3,079	1,415	130	9	3	2	74	18	25

During the later part of 1974 TYPHOID MONOVALENT immunization was substituted for TYPHOID PARATYPHOID AB immunization, with the exception that cases started with TYPHOID PARATYPHOID AB were completed with same.

USAGE OF SINGLE ANTIGENS IN 1974 IMMUNIZATIONS

(D) DOSES - All Doses Including the Completed and Reinforcing
 (C) COMPLETED - The last Dose in a Series
 (R) REINFORCING - Booster Dose

	CHOLERA			PLAGUE			DIPHTHERIA			SCHICK TESTS	GAMMA GLOBULIN
	D	C	R	D	C	R	D	C	R		
INFANTS	10	4									39
PRE-SCHOOL	181	81	9								205
SCHOOL	391	176	11							192	275
ADULTS	3,444	1,426	185	4	1	1	23	5	6	441	511
1974 TOTALS	4,026	1,687	205	4	1	1	23	5	6	633	1,030
1973 (FOR COMPARISON)	4,894	2,102	138	9	3		21	1	5	664	1,291

PUBLIC HEALTH NURSING SECTION - STUDENT PROGRAM

<u>HOLY CROSS HOSPITAL</u>	<u>School of Nursing</u>	<u>DAYS</u>
	50 Students - 1½ days =	75
	<u>Graduate Staff</u>	
	28 R.N.'s - ½ day =	14
<u>FOOTHILLS GENERAL HOSPITAL</u>	<u>School of Nursing</u>	
	20 Students - 1½ days =	30
<u>MOUNT ROYAL COLLEGE</u>	<u>Nursing Refresher Course</u>	
	6 Students - 1 day =	6
<u>UNIVERSITY OF CALGARY</u>	<u>Nursing Students</u>	
	<u>4th Year</u>	
	4 Students x 20 days =	80
	2 Students x 1 day =	2
	3 Students x ½ day =	1.5
	<u>3rd Year</u>	
	3 Students x 5 days =	15
	<u>2nd Year</u>	
	31 Students x 5 day =	31
	<u>Medical Students</u>	
	15 Students x ½ day =	7.5
<u>UNIVERSITY OF ALBERTA</u>	<u>Nursing Students</u>	
	8 Students x 5 days =	40
	<u>Dental Auxiliaries</u>	
	3 Students x 2 days =	6
<u>DIETETIC INTERNE</u>	1 Student x 1 day =	<u>1</u>
	<u>TOTAL NO. OF STUDENTS - 174</u>	<u>309 days</u>
<u>PANEL PRESENTATIONS</u>	P.H.N. 2	
	P.H.N. & V.O.N. <u>1</u>	
	<u>3</u>	

ANNUAL REPORT FOR THE LOCAL BOARD OF HEALTH, CITY OF CALGARY HEALTH DISTRICT
DENTAL DIVISION - 1974

In 1974, the Dental Division underwent a dramatic change with regard to the physical components of its Dental Health Care Delivery Systems. The Haysboro and North Hill dental arrangements were redesigned to accommodate four operatories (from the previous 2). A new clinical area was designed in the Thornhill Community Tri-Service Building to serve the northern part of the City. Plans for a Bowmont clinic which will serve the districts of Bowness and Montgomery, were initiated. This building should be operational (staff permitting) approximately September 1975. New equipment was purchased for the majority of the dental operatories.

The basic objective behind these renovations and additions is to increase the effectiveness of the Dental Health Care Delivery Systems. It is imperative that maximum effectiveness of the delivery of dental services be realized not only in private practice but also in public health. This statement is based on the fact that there is a shortage of dentists in Canada, and that the availability of dental services is declining in the face of a rising population. With the greater public awareness of the value of adequate health care, rise in personal income, broader coverage by health insurance and to a new attitude that health service now is a right rather than a privilege, it is expected that the total demand for dental care could increase by more than 40% by 1980.

Although a great amount of time, effort and money have been spent on the various dental areas, it must be understood that a clinical treatment program is not the only activity of a program of dental public health. The program must embrace, in addition, research, dental-health education, and preventive dentistry. These other areas require attention because a dental program supported by taxes should be directed toward the improvement of the oral health of all people living within the region that it serves. The clinical program, therefore, should be planned to be of benefit to the community in as many ways as possible.

By improving the physical components of the system it is to be hoped that there will be an accompanying improvement in the dental health directly of the patients served. These clinical areas should not only offer a place where people experiencing dental pain can go for help but also offer an opportunity for face-to-face teaching, tailored to each patient's dental needs. Indirectly, there are other ways in which the clinics can be of benefit. By observation, social service workers and non-dental members of a health-department's staff etc., can become aware of the magnitude of the dental problem and the types of services which should be available to combat it. These observers also should be able to gain insight in to that which constitutes dental service of a proper quality both with respect to the service itself and to the surroundings in which it is provided. By serving as a place for demonstrations of new and established dental techniques, a clinic can be of benefit to dental assistants, dental hygienists and dentists from private offices who should be encouraged to visit clinics or to inquire about the value of methods used in providing services there.

It is well to keep in mind, then, that the value of a clinical service in programs of dental public health can be far greater than the actual number of teeth filled, extracted, cleaned, or "painted". Its great value may lie in the opportunity that it offers to provide educational experiences for the patients, their parents and guardians, the public health nurses and clerks, the clinical physicians, the social workers, and the private dental practitioners and their employees. The pocket books of taxpayers furnish the funds to establish, equip, and maintain public dental clinics. Their money should be spent wisely and with proper consideration given to providing clinical services in such a way that all of the groups concerned can derive the maximum in benefit from them. In this way, clinical dollars will reach far more people than the handful who actually sit in the dental chair.

Attached are the statistical tables pertaining to the dental services provided to the families of Calgary by the Dental Division for the year 1974. It should be noted that because of the renovations to the clinics, North Hill dental services were interrupted for a period of seven (7) months and Haysboro for a period of five (5) months. Although a strong effort was made to direct the patients from these areas to other clinics in the City, it was perceived that only a small percentage of the population were amenable to the suggestion.

Unfortunately, this had the effect of producing large backlogs, especially in the case of the dental hygienist program, which will have to be carried over and dealt with in 1975.

DENTAL TREATMENT SERVICES

		SCHOOL		PRE-SCHOOL	
SERVICES RENDERED BY DENTISTS & DENTAL ASSISTANTS		1973	1974	1973	1974
APPOINTMENTS	Welfare	284	480	29	63
	Paying	4,939	4,042	711	445
	Free	974	782	81	58
	Cancellations	393	348	11	9
	Missed	478	401	30	13
	Emergency	155	180	18	19
	Recall	1,241	847	136	53
	New	561	445	176	86
EXAMS	Clinical	2,004	1,716	339	187
	No. of X-Rays	3,907	3,819	583	373
	Carious 6 Yr. Molar	1,206	1,108	29	21
PREVENTIVE	Parent and/or Child Education	4,246	2,354	665	242
	Prophylaxis Completed	1,584	1,263	279	154
	Topical Fluoride Completed	1,579	1,257	277	153
	Periodontal Treatment	20	90	2	-
RESTORATIONS	Permanent Restorations	3,240	3,008	16	13
	Permanent Surfaces	5,288	4,909	19	22
	Deciduous Restorations	1,160	899	553	398
	Deciduous Surfaces	2,284	1,764	959	725
	Polished	1,620	2,559	48	149
	Temporary Fillings	140	115	18	13
ENDO	Pulpotomy Deciduous	171	68	113	39
	Endo Permanent	18	12	-	-
	No. of Endo Appointments	181	112	84	28
CROWNS	Deciduous	129	73	64	34
	Permanent	90	41	-	-
TEETH COMPLETED	Deciduous	1,289	968	617	432
	Permanent	3,330	3,049	16	13
APPLIANCES	Space Maintainers	126	69	11	11
	Ortho Appliances	95	44	6	5
	Appliance Checks	391	251	11	7
	Impressions	281	193	13	11
SURGERY	Permanent Teeth Extracted	200	164	6	13
	Deciduous Teeth Extracted	629	503	75	46
	Frenectomy, Etc.	26	37	3	7
	Completed Clinic Cases	1,466	1,101	271	166
	Patients Dismissed	49	46	11	4

PREVENTIVE EDUCATION

The prevention of dental disease is based upon the application of dental health knowledge by the individual. For this reason, organized dental health education has now become an important factor in public health programs.

For the dentalhygienists employed in Public Health, prevention of dental disease is a primary objective.

TOPICAL FLUORIDE PAINTING

During 1974 the Dental Hygienists carried out dental inspections, oral prophylaxes and topical fluoride applications on pre-school children and Grade 1 students.

These fluoride paintings not only provided the anti-cariogenic effect of the fluoride but offered a means of informing the parents concerning the accepted standard for dental health.

The following table presents a summary of the clinical services provided by the dental hygienists.

DENTAL HYGIENIST CLINICAL SERVICES - 1974

	PRE-SCHOOL		SCHOOL	
	1973	1974	1973	1974
Appointments Made	6,945	6,474	2,169	2,294
Cancellations	432	445	77	111
Missed Appointments	340	300	91	92
Recall Patients	2,878	2,587	1,393	1,543
New Patients	3,295	3,142	608	548
Visual Examination	6,134	5,692	1,990	2,085
Poor Oral Hygiene	2,656	2,320	770	731
Apparent Caries Free	3,856	3,660	725	820
Visual Dental Decay	1,405	1,352	609	633
Carious 6 Yr. Molar <div>C T</div>	21	24-C 4-T	141	130-C 52-T
Treatment Completed	873	680	656	632
Malocclusion/Malalignment	926	936	276	297
Premature Loss of Primary Teeth	128	105	84	92
Other Abnormalities *	536	849	190	298
Prophylaxis	6,118	5,657	1,978	2,073
Fluoride	6,009	5,646	1,974	2,073
Parent and/or Child Education	5,925	5,649	1,968	2,072
Unfinished Cases	74	83	27	18
Taking Systemic F ₂	5,094	4,709	1,550	1,656
Prescribed Systemic F ₂	501	456	225	215
Refused Systemic F ₂	198	197	91	85
Referred to Private Dentist	646	555	257	183
Referred to City Dental Clinic	5	-	8	3

EXAMPLES OF ABNORMALITIES:

Calculus - 183 patients

Black Line Stain - 41 patients

In addition to the clinical services, the dental hygienists provided extensive dental health education through school and community groups.

1. PROCTOR & GAMBLE PROGRAM

This program consists of:

- (a) Dental Inspection of Grade 2 and Grade 3 students and some special education classes.

Results of the inspections are as follows:

DENTAL HEALTH EDUCATION - 1974

S T U D E N T S											O R A L H Y G I E N E			
GRADE	NUMBER	CF	ATC	MTR	NR	X	XR	G	F	P	R			
2	3,812	801	1,533	1,478	584	711	108	414	1,505	1,893	1,050			
		21.01%	40.22%	38.77%	15.32%	18.65%	2.83%	10.86%	39.48%	49.66%	27.54%			
3	3,943	461	1,908	1,574	433	964	140	498	1,450	1,995	888			
		11.69%	48.39%	39.92%	10.98%	24.45%	3.55%	12.63%	36.77%	50.60%	22.52%			
SPECIAL EDUCATION	25	4	13	8	5	6	2	1	12	12	5			
		16.00%	52.00%	32.00%	20.00%	24.00%	8.00%	4.00%	48.00%	48.00%	20.00%			
	7,780	1,266	3,454	3,060	1,022	1,681	250	913	2,967	3,900	1,943			
		16.27%	44.40%	39.33%	13.14%	21.61%	3.21%	11.74%	38.14%	50.12%	24.97%			

LEGEND:- CF - caries free X - tooth extracted
 ATC - all treatment completed XR - due for extraction
 MTR - more treatment required OX - oral hygiene G - good
 NR - no restorations F - fair
 R - referral P - poor

These inspections are not considered as complete examinations as X-rays were not used.

- (b) Following the dental inspection each participating class received a dental health lesson.

Each Grade 3 student was supplied with a toothbrushing kit.

Following the instructions of a hygienist each Grade 3 student brushed all areas of the mouth. Individual instruction was given when necessary.

2. SPECIAL REQUESTS

Dental health lectures were also provided to parent groups and school groups. The majority of the requests for school groups came from the Public Health Nurses. Posters, films, models, experiments were used to present current and up to date information.

3. PRE-SCHOOL REQUESTS

A very popular program which the hygienists have offered to kindergarten groups is a dental health puppet show. Puppets, provide a very useful means of dental health education.

The following table presents a summary of the school and community lectures.

DENTAL HYGIENISTS' SCHOOL VISITS

SCHOOLS INCLUDED IN THE PROCTOR & GAMBLE PROGRAM

91 Schools	Grade 2	=	3,812
	Grade 3	=	3,943
	Special	=	25
	TOTAL	=	7,780

PRE-SCHOOL

188 Classes ————— 3,967 Pre-schoolers

OTHER SCHOOLS

97 School Visits ————— 10,669 Students

Grade 1	=	2,988
Grade 2	=	1,706
Grade 3	=	1,379
Grade 4	=	803
Grade 5	=	1,678
Grade 6	=	964
Grade 7	=	475
Grade 8	=	255
Grade 9	=	105
Special	=	316

ADULT EDUCATION

4 Lectures ————— 94 Adults

CAREER TALKS

2 Presentations ————— 50 Students

4. STUDENT PROGRAMS

Field practice and observation programs were once again provided for both Dental Hygiene and Dental Assisting Students.

- A. Dental Hygiene students 4 Students -- 5 days
University of Alberta
- B. Dental Assisting Students 11 Students -- 16.5 days
S.A.I.T. (1 1/2 days)

ANNUAL REPORT FOR THE ENVIRONMENTAL HEALTH INSPECTIONAL DIVISION
CITY OF CALGARY HEALTH DISTRICT

The structure of the Inspectional Division of the Local Board of Health now has 17 districts with an inspector assigned to each district. He covers all phases of Public Health in his field. There are 21 Inspectors with the Local Board: Housing Inspector, Milk and Dairy Inspector, Complaints Officer and Health Education Officer. This was increased by three inspectors over the previous year. We have had the good fortune of securing an inspector from Durham, England, by the name of Douglas Ware, who comes to us with all qualifications that are necessary for the position. We have two additional inspectors who have graduated from Ryerson Institute in Toronto and have been in the Public Health field in Brooks and Vegreville in the Province of Alberta, Ron Carlson and John Raven. With the increase of population in the City of Calgary, we thought it necessary to increase our staff by three. With the ever increasing number of businesses that come under our inspectional services, it was apparent that there was a great need for additional staff.

There was an increase of 52 new restaurants in the City of Calgary over this past year, with most of them having either a beverage room or cocktail lounge. This increased the inspectional services for restaurants alone to 1,157 more inspectional calls. The alcoholic beverage outlets increased from 142 to 189 over this same period of time. There was a marked increase in the number of complaints and complaint call-backs done by the inspectors during the course of the year. What with new businesses in the City of Calgary, there was a marked increase of 473 over the previous year of requests for inspections from the Planning Department. This gives you a brief outline as to the necessity of the increase in staff.

The Health Education section has held seminars during the year for the staff of food services establishments who have had the opportunity to attend these classes. The attendance was most gratifying. The inspectors conducted educational tours for student nurses, student dental hygienists, nursing aides and hospital dietitians.

The Calgary Exhibition and Stampede was inspected by a team of four inspectors, two to a shift, during the opening hours of the Stampede. All food concessions were inspected numerous times during the day and night, and kept to a standard acceptable by the Board. All other facilities that were visited by the Public were inspected and from the few complaints that the department did receive, these establishments were kept up to a standard that was acceptable by the Public. Of the few complaints that were received, most were complaints regarding the noise from the rides and from the bands. Monitoring was done and we found that the sound levels in many cases were even dangerous in some instances. Verbal notices were issued to all causing the nuisances. All areas were kept under constant control after complaints had been received. During the Stampede there were no cases of food poisoning reported to this department. This was mainly due to constant inspection of all food establishments on the grounds.

I would like to take this opportunity to express my appreciation of a job well done by the inspectors, and may I express my appreciation of support and counsel received from the Medical Officer of Health, the Assistant Medical Officer of Health and the Public Health Nursing Staff.

Respectfully submitted,

N.L. Bruce, C.P.H.I.(C), M.R.S.H.
Chief Public Health Inspector

STATISTICAL SUMMARY OF DISTRICT INSPECTIONS
DETAILED REPORT - 1974

	<u>Number Established as of December 31, 1974</u>	<u>Number of Inspections Made</u>
Alcoholic Beverage Sales	189	1,456
Animals - Complaints		594
Apartment Blocks	1,862	390
Arcades, Bowling, Billiards	39	216
Bakeries, Wholesale	20	159
Bakeshops, Retail	83	763
Barber Shops	179	659
Beauty Parlors	257	768
Boarding Houses	2	9
Bottling Works	9	91
Breweries	1	8
Butchers	138	1,031
Camp Grounds	6	12
Caterers	42	212
Chicken Slaughter Houses	1	5
Chinchillas	48	30
Cold Storage Plants	5	9
Concessions	129	2,770
Dairy Bars	21	109
Delicatessen	25	419
Dry Cleaners	103	181
Factories	251	253
Farmer's Market	2	52
Feed Lots	4	10
Fish Markets	4	60
Fish Wholesale	2	8
Food Poisoning - Complaints		42
Food Processors	3	149
Food Stores	416	3,555
Garages - Complaints		38
Garbage - Complaints		1,264
Halls	135	201
Hatcheries	2	11
Hawkers	37	244
Health Parlors	27	127
Health Education		73
Home Occupations	72	105
Horse Meat Packers	1	2
Hospitals	8	76
Hostels	1	7
Hotels	64	125
Housing		2,971

	Number Established as of December 31, 1974	Number of Inspections Made
Incinerators - Approved	7	19
Infestations - Complaints		199
Institutions	214	688
Kennels	6	49
Laboratory - Trips to		851
Lanes - Complaints		564
Laundries	83	271
Meat Processing	12	39
Meetings		422
Miscellaneous		2,682
Mobile Canteens	3	72
Noise - Surveys - Complaints		6
Noxious Gases		147
Occupational Health - Complaints		120
Office Buildings	275	242
O.P.C. - Beer & Wine		106
O.P.C. - Beverage Rooms		205
O.P.C. - Cocktail Lounges		398
O.P.C. - Dairy		46
O.P.C. - Drinking Fountains		12
O.P.C. - Restaurants		3,630
O.P.C. - Swimming Pools		71
O.P.C. - Turtle Water		1
Pet Shops	27	164
Pigeon Complaints		29
Pigeon Lofts	28	24
Poultry Complaints		7
Rendering Plants	2	14
Restaurants	657	8,409
Riding Academies	2	1
Rinks, Roller & Ice	23	40
Rodents - Complaints		20
Rooming Houses	129	42
Salvage - Metal & Paper	37	47
Schools	142	110
Second Hand Clothing Store	8	7
Septic Tanks	547	17
Service Stations	92	42
Shopping Centres	42	436
Slaughter Houses	7	12
Staff Cafeterias	22	342
Survey - Chocolate Recall		101
Survey - Jewellers - Ear Piercing		24
Survey - Microwave Oven		46
Swimming Pools	75	325

	Number Established as of December 31, 1974	Number of Inspections Made
Tanneries	2	2
Theatres	20	39
Toilet Accommodations -Public & Industrial		502
Trailers - Complaints		28
Trailer Courts	16	70
Unsightly Premises - Complaints		352
Upholsterers	46	114
Used Car Lots - Complaints		13
Warehouses	153	344
Waste Disposal - Complaints		242
Waste Disposal Grounds	3	29
Water Distribution Systems - Complaints		28
Water Pollution - Complaints		21
Wells	547	373
Wells - O.P.C.		293
Wells - Chemical		271

FOOD STUFFS CONDEMNED

January	-	8 lbs. sliced meat	May	-	3 lbs. turkey meat
		2 lbs. butter			
		1 bottle cola type	June	-	10 lbs. ketchup
		soft drink			
February	-	10 lbs. wieners	July	-	30 lbs. peaches
		1 - 16 oz. bottle			6000 cobs of corn
		Coca Cola			
		2 - 16 oz. chocolate	August	-	1 lb. bologna
		rabbits			1 lb. salami
April	-	5 lbs. hamburger	September	-	5 pts. beer
		1 lb. stew beef			
			October	-	1 lb. beef roast

MISCELLANEOUS PROCEDURES

License Transfers	235	Notices - Verbal	10,399
Complaints	2,840	Notices - Written	486
Complaints Call Back	1,949	Written Reports	2,782
Requests for Inspections	1,199	Letters	510

DAIRIES AND MILK CONTROL - 1974

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	TOTALS
Milk Plant Inspections	8	6	2	3	2	4	3		6	5	14		53
Permits Issued to Milk Plants	3												3
Retail Store Inspections	60	54	51	41	67	73	33	17	74	69	58	35	632
Complaints - Received	7	2	4	1	7	5	3	1	7	2	4	3	46
Complaints - Justified	5	1	4	1	6	4	3		6	2	1	3	36
Notices Issued - Verbal	8	20	21	8	23	26	98	3	23	18	13	14	275
Notices Issued - Written	7	8	5	10	12	13	14	13	13	7	9	9	120
Special Tests	5	6	1	1		5	7	1	3	5	9		43
Division 33 (Repeat) Samples	23	29	16	36	35	35	81	50	55	59	40	45	504
Distributors' Samples Collected - TOTAL	76	89	101	111	88	88	122	103	131	121	125	101	1,256
Milk Shake and Soft Ice Cream Samples (Dairy Bars)		5	13	12	11	12	15	5					73
Retail Store Samples	64	69	63	65	61	58	66		59	80	69	54	708
TOTAL Samples Collected	163	192	193	224	195	193	284	158	245	260	234	200	2,541

AVERAGE OFFICIAL PLATE COUNT - 1974

GLASS BOTTLES

Homogenized < 3000
 Skim < 3000
 Partly Skim < 3000
 Chocolate < 3000

CARTONS

Homogenized < 3000
 Homogenized ½ gal < 3000
 Skim < 3000
 Partly Skim < 3000
 Partly Skim ½ gal < 3000
 Partly Skim ¾ gal < 3000
 Substandard Cream < 3000
 Whipping Cream < 3000
 Chocolate < 3000

PLASTIC

Homogenized ½ gal. < 3000
 Partly Skim ½ gal. < 3000

AVERAGE BUTTER FAT CONTENT - 1974

Homogenized Milk	3.34	Skim Milk	0.05	Partly Skim Milk	2.19
Substandard Cream	10.43	Whipping Cream	34.92		

ANNUAL LABORATORY REPORT FOR 1974

This laboratory is engaged in all analytical determinations and in matters related to bacteriological and chemical quality of water, milk supplies, sanitary evaluation of eating and beverage establishments of the City of Calgary.

The detailed functions are as follows:

WATER

- a. Analytical determinations of all drinking water supplied by the City of Calgary through its two filtering and treatment plants (Glenmore and Bearspaw), including East Calgary Industrial Sector supplied by the City's wells.
- b. Analyzing and monitoring the qualitative uniformity of drinking water in the City's Distribution System in accordance with the "Canadian Drinking Water Standards and Objectives."
- c. Determining the Safety levels for human consumption of flushed, superchlorinated and reflushed Water Mains, before being integrated into the overall City's Distribution System.
- d. Conducting bacteriological and chemical analyses, plotting and maintaining records of several hundred private wells within City's perimeter.
- e. Handling all complaints and inquiries of a technical nature from individual water users and from the industrial sector, including liaison and consultation for the Public at large.
- f. Determining the origin of water sepages, when other detecting methods have failed.

MILK, MILK PRODUCTS

Qualitative evaluation of all processed milk and milk products in the City of Calgary in accordance with the Provincial (Regulations) Standards, collected by the Dairy Inspector at the plant and retail levels.

FOREIGN MATTER

Conducting chemical and microscopic examinations of foreign matter found in milk, milk products, beverages, cereals, solid foods, etc.

SWAB TESTS

Bacteriological (Total Plate Count including mold count) of all eating and beverage establishments within City's boundaries, collected by the Health Inspectors.

Other duties as required.

LABORATORY REPORT FOR 1974

PERCENTAGE BREAKDOWN

		Total Number of Tests	Percentage of Total Number of Tests
WATER	City Water, Water Treatment Plants (Glenmore, Bearspaw) Waterworks	2 8 2 0 2	47,98 -
	Wells	7 7 2 1	12,11 -
DAIRY PRODUCTS	Pasteurized Milk, Homo, Partly Skimmed, Skimmed, Cream, Whipping Cream, Cottage Cheese, Fat, anal Phosphatase, Tests, Soft Ice Cream, Butter Milk	1 4 5 7 9	24.80%
MISCALLEN TESTS	Chemical Analyses, Swab Tests, Bacteriology, Microscopy, Soft Drinks Cereals, Foreign Matter	8 8 7 0	15.11%
	GRAND TOTAL	5 8 7 7 2	100.00%

SUMMARY: Total Number of Samples Received from all sources.....1 1 6 3 4

Total Number of Tests (Analyses) completed on these samples:

Water Supplies.....35323

Dairy Plants..... 8621

Store Milks, Milk Products..... 5958

Miscellaneous..... 8870

Grand Total of Tests

5 8 7 7 2

Detailed Report

Source of Sample	Number of Samples Received	Fermentation Tests	Agar Plate Count	Results Positive Presumptive Test	Additional Treatment, Confirmation Tests	NOT meeting Canadian Standard	Total Number of Tests
City Water	1865	7393	3732	129	76	0	11254
Bearspaw Plant Glenmore Plant Treatment Stage	1067	9531	2118	355	334	0	11983
Waterworks	406	3981	852	160	132	0	4965
Well Water	801	5319	1600	202	197	0	7121
TOTALS	4139	26224	8302	846	739	0	35323

EXAMINATION OF MILK SUPPLIES - PLANTS

Number of Samples	Phosphatase, Fat, Specific gravity, Total solids, non-fat Tests	Coliforms VRA Agar	Plate Count TGME Media	Initially NOT meeting Prov. Stand.	Totals Number of Tests
1139	3344	2547	2730	237	8621

STORE MILKS AND MILK PRODUCTS

Number of Samples Received	Coliforms VRA Agar	Plate Count	Initially NOT Meeting Prov. Standards	Total Number of Tests
1469	2938	3020	266	5958

MISCELLANEOUS TESTS

	Number of Tests	NOT meeting Canadian Standards
Chemical Analyses of 503 Water samples.....	4434	205
Plate Counts on Samples from Restaurants & Beverage Rooms, Utensils.....	4345	
Chemical, Bacteriological & Microscopic Tests on 39 Samples, ie. Water, Milk, Foodstuffs and Foreign Matter	91	
TOTAL	<u>8870</u>	

NUTRITIONIST'S ANNUAL REPORT 1974

This year a change in staff occurred. Mrs. Ellis resigned in March and Mrs. Maloff assumed duties in April.

Since the role of the Nutritionist is that of a consultant, the focus must be on education and liaison with professionals involved in counselling individuals or families with respect to nutrition. This is the most effective way to influence a large number of people. Direct service to the public was provided by telephone calls, lectures and media presentations. By nature of the position, the nutritionist's time must be flexible to accommodate projects.

Outlined below are highlights of the activities carried out during the past year by the nutritionist.

IN-SERVICE EDUCATION

The scheduled in-service lectures for the nursing staff in the clinics continue to be the most suitable vehicle for input into the nursing program. The content of the lectures is determined partly by the nutritionist's concerns and partly by the nurses requests. Some of the topics covered were:--ideas for teaching nutrition, introduction of the four food group guide, food customs of ethnic groups and so on. One topic of particular interest is Infant Feeding Advice. Since considerable controversy exists, a review of the current literature was undertaken. As a result, a rationale regarding type of formula, stage of introduction, iron sources and introduction of solids was developed for inclusion in the nursing manual. The Nutritionist and the Assistant Medical Officer of Health discussed the material with all nursing staff. Reference texts on infant feeding were purchased for each clinic.

Other time devoted to the nursing staff included assistance with individual requests, acquisition of nutrition reference materials, orientation of new staff and the development of a filing system for each clinic's nutrition references.

Two presentations were given to the Dental Hygienist. It is hoped that this can be expanded to a regular in-service for the Dental Division next year.

LECTURES

Considerable time was spent preparing and giving lectures to a wide variety of groups.

Lectures were given to University students enrolled in medical, social work and early childhood services courses. Presentations were also given to students at SAIT and Mount Royal College. The nutritionist participated in a panel for the Alberta Public Health Association Workshop and the Kindergarten Teacher's Convention. Talks were provided to other professional groups such as home economics teachers. Numerous lectures were given to community groups including mental health patients, kindergarten parents group, church groups and students attending the Adult Day Care.

One project of particular interest was the Fit Nut Seminar for which the Nutritionist acted as Chairman. Approximately 300 individuals attended the half day seminar on fitness and nutrition. The program included lectures, group discussions, films and displays.

In addition, the nutritionist participated in several radio and television programs and press interviews.

PLANNING MEETINGS

The nutritionist was involved with a number of organizations to plan or participate in projects. The Heartline program continues to be popular and time was spent planning, writing and recording scripts. The nutritionist acted on a committee which surveyed school vending machines and the results with recommendations were presented to the Board of Education. The Camp Slim Teen Committee involved organizing a weight reduction camp for teenagers.

The nutritionist worked closely with Alberta Agriculture Home Economists to produce a nutrition and food budgeting slide series for use with community groups.

Other meetings involved Continuing Education Programs, Day Care, Fit Nut, Provincial Nutritionists to mention a few.

TELEPHONE REQUESTS, INTERVIEWS, VISITS

As in previous reports a large number of telephone requests were received. The majority of these calls came from the Public requesting information on therapeutic diets, nutritive value of foods and child feeding advice. Individual assistance was given to professionals or staff members by way of interviews.

MISCELLANEOUS

Prices were collected four times during the year to update the food costs for the booklet Guide to Better Food Budgeting. This continues to be a useful reference for community agencies involved in food budgeting counselling. Approximately 1200 copies were distributed during 1974.

One leaflet In Place of Meat was developed for distribution to public groups. The Effects of Food Processing on the Nutritive Value of Foods was written for publication in Nutritionally Speaking, a newsletter distributed by the Provincial Nutritionist. In addition an article on complementary proteins was written for The Alberta Consumers Association Newsletter.

Affiliation in public health for dietetic interns from the Calgary General Hospital was offered again. Four dietetic interns each spent four days with the Nutritionist.

Camp and day care menus were provided for several organizations. A number of therapeutic diets were costed for social assistance.

Information on products for allergy diets was collected twice during the year. Also, data on ethnic foods available in stores and restaurants was tabulated for the Provincial Nutritionist to submit for the revision of the booklet, "Food Customs of New Canadians".

Numerous letters and publications were sent out as requested.

STATISTICAL SUMMARY

Telephone calls	1293
Interviews	71
Institutional & Home Visits	5
Planning Meetings Attended	61
Conferences Attended	3
Students Provided with Affiliation	4

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LECTURES

a) In-Service Nurses	54
Dental Hygienists	2
b) Other Groups	<u>35</u>
TOTAL	<u><u>91</u></u>

MEDIA PRESENTATIONS

Radio	2
Television	8
Press	<u>2</u>
TOTAL	<u><u>12</u></u>

FAMILY PLANNING CLINIC - 1974RATES OF INCREASE OR DECREASE

PATIENTS VISITS	1973 - 2120	57% increase
	1974 - 3333	
NEW PATIENTS	1973 - 1010	15% increase
	1974 - 1169	
SESSIONS	1973 - 129	58 more sessions
	1974 - 187	
PREGNANCY TESTS	1973 - 128	94% increase
	1974 - 249	
POSITIVE TESTS	1973 - 53	32% increase
	1974 - 70	
I.U.D. INSERTED	1973 - 176	2% increase
	1974 - 180	
ORAL'S GIVEN OUT	1973 - 1816	176% increase
	1974 - 5017	

This service, began in 1969, continues to serve an increasing number of persons each year. The number of sessions per week has not been increased this year because the increase in attendance has been in waves with facilities overtaxed for only brief periods of time. The sessions are held Mondays and Thursdays in two parts, in the afternoon following closing of the baby clinic at 4:00 p.m. and evening from 6:45 to approximately 9:00 p.m. Each part is counted as one session so that comparison in the statistics may be maintained with the earlier years when only the evening hours were held.

PATIENTS ATTENDING FAMILY PLANNING CLINIC - CALGARY LOCAL BOARD OF HEALTH

1974

PATIENTS ATTENDING CLINIC	TOTAL PATIENT VISITS	NEW PATIENTS	SESSIONS	I.U.D. INSERTED	ORAL	PREGNANCY TESTS
JANUARY - 645 MARCH -	772 JANUARY - 261 FEBRUARY - 250 MARCH - 261	292 JANUARY - 86 FEBRUARY - 112 MARCH - 94	44	53	1,097	61 POSITIVE - 23 NEGATIVE - 38
APRIL - 390 JUNE -	845 APRIL - 274 MAY - 311 JUNE - 260	297 APRIL - 100 MAY - 100 JUNE - 99	49	50	1,384	77 POSITIVE - 14 NEGATIVE - 63
JULY - 809 SEPTEMBER -	851 JULY - 263 AUGUST - 305 SEPTEMBER - 283	219 JULY - 97 AUGUST - 90 SEPTEMBER - 92	48	42	1,423	51 POSITIVE - 15 NEGATIVE - 36
OCTOBER - 779 DECEMBER -	865 OCTOBER - 302 NOVEMBER - 291 DECEMBER - 272	301 OCTOBER - 106 NOVEMBER - 97 DECEMBER - 98	46	47	1,113	60 POSITIVE - 18 NEGATIVE - 42
YEARS COUNT 1,727	3,333	1,169	187	192	5,017	249

STATEMENT OF EXPENDITURES

April 1, 1974 - March 31, 1975

ADMINISTRATION

Salaries & Allowances	249,588	
Central Administration Charges & Space Rentals	192,790	
General Supplies	7,237	
Furniture & Equipment	<u>20,174</u>	469,789

CHILD HEALTHSCHOOL MEDICAL SERVICES

Salaries & Allowances	399,754
General Supplies	5,562
Medical Supplies	10,368
Furniture & Equipment	<u>985</u>
	416,669

INFANT & PRE-SCHOOL CLINICS

Salaries & Allowances	445,109	
General Supplies	5,019	
Medical Supplies	526	
Furniture & Equipment	3,736	
Maintenance & Laundry	<u>3,247</u>	874,306

GENERAL HEALTH SERVICES

Communicable Disease Control
 Health Information & Education
 Mental Health & Community Service
Family Planning Clinic

Salaries & Allowances	513,565	
General Supplies	3,277	
Medical Supplies	10,158	
Educational Materials & Equipment	1,027	
Furniture & Equipment	289	
RECOVERY	<u>3,677</u> CR	524,639

INSPECTION & ANALYTICAL SERVICES

Salaries & Allowances	361,053	
General Supplies	2,033	
Laboratory Supplies	4,030	
Educational Materials & Equipment	316	
Furniture & Equipment	<u>3,170</u>	370,602

DENTAL SERVICESPREVENTIVE PROGRAM - EDUCATION

Salaries & Allowances	93,382
General Supplies	4,886
Dental Supplies	6,333
Educational Materials & Equipment	3,153
Furniture & Equipment	4,264
Maintenance of Equipment	<u>320</u>
	112,338

DENTAL TREATMENT

Salaries & Allowances	178,629	
General Supplies	1,254	
Dental Supplies	19,892	
Educational Materials & Equipment	1,750	
Furniture & Equipment	6,339	
Maintenance of Equipment & Laundry	7,250	
RECOVERY	<u>13,934</u> CR	
	201,180	<u>313,518</u>

\$2,552,854

Provincial Government - Public Health
Service Grants

2,602,428

POPULATION - 433, 389

Per Capita Expenditure for Public Health
in Calgary Health District

5.89

